

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV1151/Issue 2. Dated 20.6.46. To be read in conjunction with K1001.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Unclassified
<u>SECURITY</u>							
<u>Specification</u>	<u>Valve</u>						
Restricted	Unclassified						

<u>TYPE OF VALVE</u> :- Triode.				<u>MARKING</u>		
<u>CATHODE</u> :- Directly heated.				See K1001/4.		
<u>ENVELOPE</u> :- Glass.						
<u>PROTOTYPE</u> :- L410, PM4DX.						
<u>RATING</u>			Note	<u>BASE</u>		
Max. Operating Filament Voltage. (V)				B4		
Approx. Filament Current. (A)			3.8	See K1001/AIV/D5.1		
Max. Anode Voltage. (V)						
Amplification Factor.			0.1			
Max. Anode Impedance. (Ω)						
Average Anode Current. (mA)			100			
CAPACITANCES (pFd Approx)						
Cag			14			
			A			
			A			
			B			

NOTESA. $V_a = 75 \text{ V}$, $V_g = 0 \text{ V}$.B. $V_a = 50 \text{ V}$, $V_g = 0 \text{ V}$.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions					Test	Limits		% Tested
	Vf (V)	Va (V)	Vg (V)	Ia (mA)	Ie (mA)		Min.	Max.	
a	3.6	-	-	-	-	If (A)	-	0.12	1% (20)
b	3.6	Ad-just-ed	=Va	-	15	Va (V)	-	100	100%
c	3.6	100	-2	-	-	-Ig (μ A)	-	0.5	100%
d i	3.6	80	0	x	-	x - y (mA)	0.5	-	100%
ii	3.6	70	0	y	-				
iii	3.6	50	0	z	-	Value of z (mA)	0.7	2.5	
e	3.6	Ad-just-ed	-2	=y above		Va (V)	94	102	100%
f	3.6	50	0	-	-	Ig (μ A)	-0.5	0.5	100%
g	3.6	50	2	-	-	Ig (μ A)	30	-	100%
h	See K1001/AIII					<u>CAPACITANCES</u> (pFd)			
	Pins to H.P.		Pins to L.P.		Pins to E.	Cag	3	6	1% (20)
	1		2		3,4				
j	Vf (V)	Va (V)	Vg (V)	Life Test (See K1001, para. 6).			800 hrs.		A small %
	3.6	50	0						
	All tests Class A.								